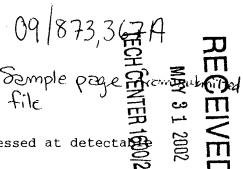Genes that are expressed in normal colon, that are not expressed at detectable levels in colon adenocarcinoma

Below is a listing of those genes that are expressed at appreciable levels in normal colon, but that do not appear to be expressed in colon adenocarcinoma. There are 333 sequences presented in the listing below.

>gi|1472311|gb|AA011199.1|AA011199 ze23c03.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone
IMAGE:359812 3', mRNA sequence
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TATATTAAAAAGCAGACCAAAGGCAAGGCATTCTGGTTCTCTGACGTCCCCCGGTCTAGTTTAATTCATT
TTCCCAGTATTGGGGAAAAGCAGGGCA

>gi|1479353|gb|AA016979.1|AA016979 ze41h01.s1 Soares retina
N2b4HR Homo sapiens cDNA clone IMAGE:361585 3' similar to gb|M10329|MUSUR48S Mouse 4.8S U6 small
nuclear (rRNA);contains Alu repetitive element;, mRNA sequence
AAATATGGAACGCTTCACGAATTTGCGTGTCATCCTTGCGCAGGGGCCATGCTAATCTTCTCTGTATCGT
TCCAATTTTAGTATATGTGCTGCCGAAGCGAGCACCGTGCTTAGTTATTCTAAGTGAGGGCCCCAGGATC
CACCTGCCTAGGCTTCCCAAAGTGCTGGGATTACAGGCGTGACCCACCGCGCCCAGCCAAGTTTTGGTTT
CCTCAACTGGAGGTAATATTACATATTTTACTTATACATATGCATAAGTAAACAAAGAGGGTTGTTTTGA
GGGTCAAATAAATTGATGGATGTTAACGCTCTNCTGGTAAATTATAAAGCACTATACAAATACAAGGCAT
TATTGTTAATAATAGAGCTTAATTACACCTGTCCTCATTTGATCTCTCANAGACC

>gi|1493220|gb|AA027011.1|AA027011 zk02c08.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone
IMAGE:469358 3', mRNA sequence
GTTTTAAAACATTTCTTTATTAGTATATAGACAGTAAAGCATGAAATAGATACAAACATTACTTATAAAA
ATGTTTTGAAAGAACATTTGAAAAATAGATGAATGTCTTCTAGCCAGTTAATAGCAGAGAAAGAATTTAG
TTTTGGTAGCTCATAAGTCAGTAACCGTATGCCATGTCTCCAGAAGTAAAATCCGTCTGTTTTCCAGAAA
AATGTGATGTAGNGAATTNTCATTTTATGTGTTATTTTGCACTCATTAATGTAAATTTTAGATTTAAAAA
AATCAAGTTTATTTGCTTTCTAAGAAAATGGNCTCCTTNCCCATTCGCCAGTAGNTTAATATATGTTCTA
CGGTGTGGGTGTGT

>gi|1506906|gb|AA034962.1|AA034962 zk25h03.s1 Soares_pregnant_uterus_NbHPU
Homo sapiens cDNA clone IMAGE:471605 3', mRNA sequence
TTTTTTTTTTGCAAGAAACACATGGGGATGGTTTTATTTTTATAATTGGTTAAAAAAGTTTCTCAAAGTG
AAGTTTAGGAGTGAGTTTTAGTGTTTTGTAATTTGAAGAAAAGTGTCTTAAAATTCAAAGATACCAATGG
AAAGATAAAAGTTTGGGG

>gi|1512487|gb|AA037388.1|AA037388 zc03e01.s1
Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:321240 3', mRNA sequence
GATTTTTCAAAATTAACTTTTTTTATTAATTTAAAAATCCAGAAATACAGTGACTACATAAATAAGTACCA
TAATTAGGTACATGTCCTGTGAGAACAGTGAAAGGGTAATACTGTTATGTTACTCTTACTTGTTTACATG
AGTTAACTAGAAAATGGCTACAACTGCTAAATGATGCTTATGGTCTTTGTTGTTCCAAGTGTTTATGATA
CAAATAAATACACAAGAAGAACCACATCCATTCTTCTCTACTAACTACAGGCAGCTTGGGG

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<110>        Smith, John; Smithgene Inc.

<120>        Example of a Sequence Listing

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<220>
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<301>        Doe, Richard
<302>        Isolation and Characterization of a Gene Encoding a
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<303>        Journal of Genes
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cgatgtggca   attgctggca   gtgccacagg   cttttcagcc   aggcttaggg   tgggttccgc       180

cgcggcgcgg   cggcccctct   cgcgctcctc   tcgcgcctct   ctctcgctct   cctctcgctc       240
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ggacctgatt	aggtgagcag	gaggaggggg	cagttagc		atg	gtt	tca	atg	ttc	agc	296
					Met	Val	Ser	Met	Phe	Ser	
					1					5	

ttg	tct	ttc	aaa	tgg	cct	gga	ttt	tgt	ttg	ttt	gtt	tgt	ttg	ttc	caa	344
Leu	Ser	Phe	Lys	Trp	Pro	Gly	Phe	Cys	Leu	Phe	Val	Cys	Leu	Phe	Gln	
			10					15					20			

tgt	ccc	aaa	gtc	ctc	ccc	tgt	cac	tca	tca	ctg	cag	ccg	aat	ctt		389
Cys	Pro	Lys	Val	Leu	Pro	Cys	His	Ser	Ser	Leu	Gln	Pro	Asn	Leu		
		25					30					35				

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<212>      PRT
<213>      Paramecium sp.
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1				5					10					15	

Phe	Val	Cys	Leu	Phe	Gln	Cys	Pro	Lys	Val	Leu	Pro	Cys	His	Ser	Ser
		20					25					30			

Leu	Gln	Pro	Asn	Leu
		35		

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<210>      3
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<212>      PRT
<213>      Artificial Sequence
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<220>
<223>      Designed peptide based on size and polarity to act as a
           linker between the alpha and beta chains of Protein XYZ.
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Met	Val	Asn	Leu	Glu	Pro	Met	His	Thr	Glu	Ile
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<210>      4
<400>      4
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[Annex VIII follows]

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOs	Count includes total number of SEQ ID NOs	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO:#:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amin acid residues	M

<212>	Type	Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.	M
<213>	Organism	Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.	M
<220>	Feature	Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<221>	Name/Key	Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence
<222>	Location	Specify location within sequence; where appropriate state number of first and last bases/amino acids	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified

<223>	Other Information	Other relevant information; four lines maximum	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA
<300>	Publication Information	Leave blank after <300>	O
<301>	Authors	Preferably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials	O
<302>	Title		O
<303>	Journal		O
<304>	Volume		O
<305>	Issue		O
<306>	Pages		O
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, MMM-yyyy or Season-yyyy	O
<300>	Database Accession Number	Accession number assigned by database including database name	O
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MMM-yyyy	O
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	O